

FILE 'HOME' ENTERED AT 14:10:59 ON 27 NOV 2006

=> file medline, caplus, wpids, uspatfull

=> s "trichloromelamine"

L1 421 "TRICHLOROMELAMINE"

=> s l1 and "habitat"

L2 8 L1 AND "HABITAT"

=> s l1 and sanitize

L3 18 L1 AND SANITIZE

=> s l2 and l3

L4 4 L2 AND L3

=> d 14 1-4 ibib, abs

L4 ANSWER 1 OF 4 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN

ACCESSION NUMBER: 2003-312304 [30] WPIDS

CROSS REFERENCE: 2004-345655

DOC. NO. CPI: C2003-081748 [30]

DOC. NO. NON-CPI: N2003-248724 [30]

TITLE: Reduction of ammonia and odor in animal habitat
used to raise continuing batches of animals, involves
applying trichloromelamine to habitat
at predetermined time to effect reduction of ammonia and
odor

DERWENT CLASS: D22; E13; P14; P34

INVENTOR: SCHNEIDER D J

PATENT ASSIGNEE: (HSCH-N) H & S CHEM CO INC

COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
US 20030024484	A1	20030206	(200330)*	EN	5[0]	
US 6616892	B2	20030909	(200361)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 20030024484	A1	US 2001-909707	20010720

PRIORITY APPLN. INFO: US 2001-909707 20010720

AN 2003-312304 [30] WPIDS

CR 2004-345655

AB US 20030024484 A1 UPAB: 20050528

NOVELTY - The reduction of ammonia and odor production in animal habitat containing fecal matter and urine, involves treating the habitat with preset amount of trichloromelamine. The trichloromelamine is applied at predetermined time such that the production of ammonia and odor from nitrogen and sulfur bearing compounds in the habitat is effected.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for sanitization of an animal habitat.

USE - For animal habitats that are used to raise continuing batches of animals for meat production, such as batches of hogs, chickens and turkeys.

ADVANTAGE - The reduction of ammonia and odor production is an effective method to sanitize different variety of animal habitats. The production of ammonia from fecal matter and urine is remarkably minimized and the productivity of a grow out of a batch of animals is increased. The reduction process facilitates disposal of bedding and fecal matter in an eco-friendly manner and enables energy saving in the production of domesticated animals.

L4 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:50374 USPATFULL Full-text
TITLE: Process for treating animal habitats
INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
PATENT ASSIGNEE(S): H & S CHEMICAL COMPANY, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004037800	A1	20040226
APPLICATION INFO.:	US 2003-648993	A1	20030827 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-909707, filed on 20 Jul 2001, GRANTED, Pat. No. US 6616892		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
LINE COUNT:	442		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The process of this invention further reduces the bacteria count of the animal habitat.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2003:34862 USPATFULL Full-text
TITLE: Process for treating animal habitats
INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
PATENT ASSIGNEE(S): H & S CHEMICAL COMPANY, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003024484	A1	20030206
	US 6616892	B2	20030909
APPLICATION INFO.:	US 2001-909707	A1	20010720 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 Merida Lane, Tampa, FL, 33618		
NUMBER OF CLAIMS:	52		
EXEMPLARY CLAIM:	1		

LINE COUNT: 452

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichlormelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:148211 USPATFULL Full-text

TITLE: Process for treating animal habitats

INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
Bell, Jerry K., Fayetteville, AR, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076348	A1	20020620
	US 6749804	B2	20040615
APPLICATION INFO.:	US 2001-974159	A1	20011009 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-243798P	20001030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618	
NUMBER OF CLAIMS:	72	
EXEMPLARY CLAIM:	1	
LINE COUNT:	734	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichlormelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The TCM may be further incorporated into water soluble polymeric compositions which permit the TCM to be leached out in a controlled manner. Further the TCM may be incorporated into cellular and noncellular polymeric compositions which may be used as bedding/litter material, and cat litter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 14:10:59 ON 27 NOV 2006)

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 14:11:21 ON 27 NOV
2006

L1 421 S "TRICHLOROMELAMINE"
L2 8 S L1 AND "HABITAT"
L3 18 S L1 AND SANITIZE
L4 4 S L2 AND L3

=> s 13 not py>2001
L5 6 L3 NOT PY>2001

=> d 15 1-6 ibib, abs

L5 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2001:112280 USPATFULL Full-text
TITLE: Sanitizing laundry sour
INVENTOR(S): Smith, Kim R., Woodbury, MN, United States
Olson, Lynne A., Ellsworth, WI, United States
Wiseth, Wendy M., St. Paul, MN, United States
Hei, Robert D.P., Baldwin, WI, United States
Mattia, Paul J., Prior Lake, MN, United States
PATENT ASSIGNEE(S): Ecolab' Inc., St. Paul, MN, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6262013	B1	20010717
APPLICATION INFO.:	US 1999-419726		19991015 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-115815P	19990114 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Kopec, Mark	
ASSISTANT EXAMINER:	Petruncio, John M	
LEGAL REPRESENTATIVE:	Merchant & Gould P.C.	
NUMBER OF CLAIMS:	25	
EXEMPLARY CLAIM:	1	
LINE COUNT:	839	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A sanitizing fabric sour composition can comprise a peracid material. The sanitizing sour materials of the invention can be used in a laundry process in which soiled garments are contacted with the sanitizing sour following an alkaline detergent in a cleaning step. In the souring step, the garments are contacted with the peracid material that both neutralizes alkaline components and sanitizes the cleaned garment. The fabric sour process of the invention can be conducted at reduced temperatures while obtaining sufficient sanitization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2001:48003 USPATFULL Full-text
TITLE: Two part chemical concentrate
INVENTOR(S): Gladfelter, Elizabeth J., Falcon Heights, MN, United States
Outlaw, Tina O., Inver Grove Heights, MN, United States
Copeland, James L., Burnsville, MN, United States

Schulz, Rhonda K., Burnsville, MN, United States
Boche, Daniel K., Eagan, MN, United States
Peterson, Jeff W., Minnetonka, MN, United States
Ecolab Inc., Mendota Heights, MN, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6211129	B1	20010403
APPLICATION INFO.:	US 1993-71596		19930604 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-699662, filed on 14 May 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ogden, Necholus		
ASSISTANT EXAMINER:	Boyer, Charles		
LEGAL REPRESENTATIVE:	Merchant & Gould P.C.		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	1118		

AB The invention is a solid chemical concentrate system of at least two cooperative shapes. The first shape is an inwardly curved bar having an inner opening. The second shape is an insert which is capable of interlocking with the bar by insertion into the bar inner opening. The solid chemical concentrate provides chemical systems having active constituents which may be the same, different but compatible or functionally and chemically incompatible combined within one matrix to provide at least one substantially continuous surface. The system may also comprise an aqueous soluble or dispersible polymeric film cover.

L5 ANSWER 3 OF 6 USPATFULL on STN
ACCESSION NUMBER: 1999:132752 USPATFULL Full-text
TITLE: Thickened noncorrosive cleaner
INVENTOR(S): Ahmed, Fahim Uddin, Greensboro, NC, United States
PATENT ASSIGNEE(S): Ecolab, Inc., St. Paul, MN, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5972866		19991026
APPLICATION INFO.:	US 1997-794432		19970205 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gupta, Yogendra		
ASSISTANT EXAMINER:	Petruncio, John M.		
LEGAL REPRESENTATIVE:	Merchant & Gould P.C.		
NUMBER OF CLAIMS:	35		
EXEMPLARY CLAIM:	1		
LINE COUNT:	869		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods and compositions for cleaning food preparation surfaces are disclosed. The method includes applying a thickened, noncorrosive composition to the surface. The composition is formulated from a hypochlorite bleach used to reduce staining on the surface, an alkalinity source to provide a pH of from about 10 to 14, a thickening agent used to promote adhesion of the composition to the surface upon application, and a

balance of water. Optionally, the composition may also contain a surfactant and a builder.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 1999:117424 USPATFULL Full-text
TITLE: Solid, water-degradable disinfectant and cleanser composition, and associated methods of manufacture and use
INVENTOR(S): Watanabe, Erika, Oakland, CA, United States
PATENT ASSIGNEE(S): The Clorox Company, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5958853		19990928
APPLICATION INFO.:	US 1998-32360		19980227 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-863899, filed on 27 May 1997		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gupta, Yogendra		
ASSISTANT EXAMINER:	Webb, Gregory E		
LEGAL REPRESENTATIVE:	Reed, Dianne E. Reed & Associates		
NUMBER OF CLAIMS:	26		
EXEMPLARY CLAIM:	1		
LINE COUNT:	581		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A disinfectant and cleansing composition is provided in the form of an extruded solid. The active agent in the composition is a halogen-releasing agent such as a halogenated 5,5-dialylhydantoin. An inert binder such as a fatty acid salt or a hectoritic clay is used to enable manufacture of the composition using an extrusion process. Fragrance, colorants, and other pressure-sensitive materials may be included; fragrance and colorants are preferably incorporated in encapsulated form. Methods for manufacturing the compositions are also provided, as are methods for using the compositions in sanitizing water, particularly in disinfecting and cleansing flush toilets.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 1998:138848 USPATFULL Full-text
TITLE: Detergent composition having improved chlorine stability characteristics, novel chlorine containing product format and method of making chlorine stable composition
INVENTOR(S): Sowle, Eddie D., Jamestown, NC, United States
Bowling, Darryl C., Greensboro, NC, United States
PATENT ASSIGNEE(S): Ecolab Inc., St. Paul, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5834414		19981110
APPLICATION INFO.:	US 1996-733272		19961017 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		

PRIMARY EXAMINER: Howard, Jacqueline V.
LEGAL REPRESENTATIVE: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.
NUMBER OF CLAIMS: 42
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 861
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A novel detergent composition and product form provides for substantial chlorine stability in detergents having substantial organic surfactant concentration. The product format ensures that water contained in the formulation, contact between sensitive organic materials and the chlorine source are structurally isolated preventing undesirable chlorine surfactant interactions and instability. Particulate detergents can be packaged in any arbitrary packaging component that can maintain a dry flowable powder.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 6 USPATFULL on STN
ACCESSION NUMBER: 1998:57864 USPATFULL Full-text
TITLE: Solid, water-degradable disinfectant and cleanser composition, and associated methods of manufacture and use
INVENTOR(S): Watanabe, Erika, Oakland, CA, United States
DeMaso, Vincent N., San Ramon, CA, United States
PATENT ASSIGNEE(S): The Clorox Company, Oakland, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5756440		19980526
APPLICATION INFO.:	US 1997-863899		19970527 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Hertzog, Ardith		
ASSISTANT EXAMINER:	Webb, Greg		
LEGAL REPRESENTATIVE:	Reed, Dianne E.Bozicevic & Reed LLP		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	563		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A disinfectant and cleansing composition is provided in the form of an extruded solid. The active agent in the composition is a halogen-releasing agent such as a halogenated 5,5-dialkylhydantoin. An inert binder such as a fatty acid salt or a hectoritic clay is used to enable manufacture of the composition using an extrusion process. Fragrance, colorants, and other pressure-sensitive materials may be included; fragrance and colorants are preferably incorporated in encapsulated form. Methods for manufacturing the compositions are also provided, as are methods for using the compositions in sanitizing water, particularly in disinfecting and cleansing flush toilets.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

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FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 14:11:21 ON 27 NOV

2006

L1 421 S "TRICHLOROMELAMINE"
L2 8 S L1 AND "HABITAT"
L3 18 S L1 AND SANITIZE
L4 4 S L2 AND L3
L5 6 S L3 NOT PY>2001

=> s 11 and "fecal"
L6 15 L1 AND "FECAL"

=> s 11 and urine
L7 28 L1 AND URINE

=> s 16 and 17
L8 12 L6 AND L7

=> s 18 not py>2001
L9 0 L8 NOT PY>2001

=> d 18 1-12 ibib, abs

L8 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:238408 CAPLUS Full-text
DOCUMENT NUMBER: 142:285248
TITLE: Process for cleaning bovine teats comprising
trichloromelamine
INVENTOR(S): Schneider, David J.; Schneider, Charles A.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 4 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005058615	A1	20050317	US 2003-732640	20031210
PRIORITY APPLN. INFO.:			US 2002-434046P	P 20021218

AB Animals have been domesticated and kept as a source of milk for tens of thousands of years, when humans keep animals for their ability to produce milk, the animals are usually kept in confined spaces. As a result of this confinement the animals are exposed to high levels of urine and fecal matter which originated with the animals which are being kept. This exposure contaminates the animal and in particular the udder and teats of the animal, with bacteria. In the milking process this bacteria can further contaminate the milk which is destined for human consumption. The bacteria can further cause mastitis in the bovine. The above set forth problems are eliminated in the subject invention wherein the udder and teat areas of the bovine are sanitized with a solution of trichloromelamine. The concentration of trichloromelamine, in said solution, is from about 50 to about 500 ppm.

L8 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:162197 CAPLUS Full-text
DOCUMENT NUMBER: 140:204147
TITLE: Process for treating animal habitats
INVENTOR(S): Schneider, David J.
PATENT ASSIGNEE(S): H. & S. Chemical Company, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 5 pp., Cont.-in-part of U.S.

Ser. No. 909,707.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004037800	A1	20040226	US 2003-648993	20030827
US 6616892	B2	20030909	US 2001-909707	20010720
PRIORITY APPLN. INFO.:			US 2001-909707	A2 20010720

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The process of this invention further reduces the bacteria count of the animal habitat.

L8 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:466521 CAPLUS Full-text

DOCUMENT NUMBER: 137:51561

TITLE: Process for treating animal habitats with deodorization

INVENTOR(S): Schneider, David J.; Bell, Jerry K.

PATENT ASSIGNEE(S): H & S Chemical Co., Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002076348	A1	20020620	US 2001-974159	20011009
US 6749804	B2	20040615		
PRIORITY APPLN. INFO.:			US 2000-243798P	P 20001030

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of NH3 and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The TCM may be further incorporated into H2O soluble polymeric compns. which permit the TCM to be leached out in a controlled manner. Further the TCM may be incorporated into cellular and noncellular polymeric compns. which may be used as bedding/litter material, and cat litter.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 12 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER: 2004-345655 [32] WPIDS
CROSS REFERENCE: 2003-312304
DOC. NO. CPI: C2004-131784 [32]
DOC. NO. NON-CPI: N2004-276317 [32]
TITLE: Reduction of ammonia and odors production in animal habitat, e.g. chickens, containing fecal matter and urine, involves treating the habitat with aqueous solution of trichloromelamine at specified time
DERWENT CLASS: D22; E13; P34
INVENTOR: SCHNEIDER D J
PATENT ASSIGNEE: (HSCH-N) H & S CHEM CO INC
COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
US 20040037800	A1	20040226	(200432)*	EN	5 [0]	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 20040037800	A1 CIP of	US 2001-909707	20010720
US 20040037800	A1	US 2003-648993	20030827

FILING DETAILS:

PATENT NO	KIND	PATENT NO
US 20040037800	A1 CIP of	US 6616892 B

PRIORITY APPLN. INFO: US 2003-648993 20030827
US 2001-909707 20010720

AN 2004-345655 [32] WPIDS

CR 2003-312304

AB US 20040037800 A1 UPAB: 20050528

NOVELTY - Production of ammonia and odors in an animal habitat containing fecal matter and urine is reduced by treating the habitat with an aqueous solution of trichloromelamine at time in which the application of the solution can affect the production of ammonia and odors from nitrogen and sulfur bearing compounds as may be present in the habitat.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for sanitizing an animal habitat by treating the habitat with an aqueous solution of trichloromelamine.

USE - The process is for reducing the production of ammonia and odors in an animal habitat, e.g. hogs, cattle, turkeys, or chickens, containing fecal matter and urine.

ADVANTAGE - The process reduces the bacteria count of the animal habitat. It reduces or inhibits the production of ammonia, thus minimizing the need to ventilate the habitat and hence significant energy is saved in that the need to heat or cool new air coming into the habitat is minimized.

L8 ANSWER 5 OF 12 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
ACCESSION NUMBER: 2003-312304 [30] WPIDS
CROSS REFERENCE: 2004-345655

DOC. NO. CPI: C2003-081748 [30]
 DOC. NO. NON-CPI: N2003-248724 [30]
 TITLE: Reduction of ammonia and odor in animal habitat used to raise continuing batches of animals, involves applying trichloromelamine to habitat at predetermined time to effect reduction of ammonia and odor
 DERWENT CLASS: D22; E13; P14; P34
 INVENTOR: SCHNEIDER D J
 PATENT ASSIGNEE: (HSCH-N) H & S CHEM CO INC
 COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
US 20030024484	A1	20030206	(200330)*	EN	5[0]	
US 6616892	B2	20030909	(200361)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 20030024484	A1	US 2001-909707	20010720

PRIORITY APPLN. INFO: US 2001-909707 20010720

AN 2003-312304 [30] WPIDS

CR 2004-345655

AB US 20030024484 A1 UPAB: 20050528

NOVELTY - The reduction of ammonia and odor production in animal habitat containing fecal matter and urine, involves treating the habitat with preset amount of trichloromelamine. The trichloromelamine is applied at predetermined time such that the production of ammonia and odor from nitrogen and sulfur bearing compounds in the habitat is effected.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for sanitization of an animal habitat.

USE - For animal habitats that are used to raise continuing batches of animals for meat production, such as batches of hogs, chickens and turkeys.

ADVANTAGE - The reduction of ammonia and odor production is an effective method to sanitize different variety of animal habitats. The production of ammonia from fecal matter and urine is remarkably minimized and the productivity of a grow out of a batch of animals is increased. The reduction process facilitates disposal of bedding and fecal matter in an eco-friendly manner and enables energy saving in the production of domesticated animals.

L8 ANSWER 6 OF 12 WPIDS COPYRIGHT 2006 THE THOMSON CORP on STN
 ACCESSION NUMBER: 2002-582907 [62] WPIDS
 DOC. NO. CPI: C2002-164688 [62]
 DOC. NO. NON-CPI: N2002-462288 [62]
 TITLE: Sanitizing animal habitats and removing ammonia and odors comprises treating the habitat with trichloromelamine
 DERWENT CLASS: C03; D22; P14; P34; P35; P73
 INVENTOR: BELL J K; SCHNEIDER D J
 PATENT ASSIGNEE: (BELL-I) BELL J K; (HSCH-N) H & S CHEM CO INC; (SCHN-I) SCHNEIDER D J
 COUNTRY COUNT: 1

PATENT INFO ABBR.:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
US 20020076348	A1	20020620	(200262)*	EN	8[0]	
US 6749804	B2	20040615	(200439)	EN		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
US 20020076348	Provisional	US 2000-243798P	20001030
US 20020076348	A1	US 2001-974159	20011009

PRIORITY APPLN. INFO: US 2001-974159 20011009
 US 2000-243798P 20001030

AN 2002-582907 [62] WPIDS

AB US 20020076348 A1 UPAB: 20050526

NOVELTY - Reduction of the production of ammonia and odors in animal habitats containing fecal matter and urine comprises treating the habitat with trichloromelamine (I). Also new is the method of sanitizing animal habitats comprising treating with (I).

USE - For sanitizing animal habitats, providing ammonia and odor control, particularly for domesticated animals such as turkeys, ducks, game birds and chickens, pigs and cattle. The method facilitates the generation of healthy animals, which grow better than diseased animals.

ADVANTAGE - The method minimizes ammonia creation, prevents odors (claimed) and saves energy.

L8 ANSWER 7 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2005:84921 USPATFULL Full-text
 TITLE: Bovine teat cleaning process using dry powder reagents
 INVENTOR(S): Schweider, David J., Union, KY, UNITED STATES
 Schweider, Charles A., Villa Hills, KY, UNITED STATES

NUMBER	KIND	DATE
US 2005072373	A1	20050407
US 2004-949516	A1	20040924 (10)

NUMBER	DATE
US 2003-506709P	20030926 (60)

PRIORITY INFORMATION: US 2003-506709P 20030926 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618
 NUMBER OF CLAIMS: 20
 EXEMPLARY CLAIM: 1
 LINE COUNT: 370

AB Animals have been domesticated and kept as a source of milk for tens of thousands of years. When humans keep animals for their ability to produce milk, the animals are usually kept in confined spaces. As a result of this confinement the animals are exposed to high levels of urine and fecal matter which originated with the animals which are being kept. This exposure contaminates the animal and in particular the udder and teats of the animal, with bacteria. In the milking process this bacteria can further contaminate the milk which is destined for human consumption. The bacteria can further cause mastitis in the bovine. The above set forth problems are eliminated in the subject invention wherein the udder and teat areas of the bovine are sanitized with a solution which contains both Cl⁺ and I⁻ ions wherein the I⁻

ion is produced by the oxidation of a solution of a dry iodine salt, without an N-chloro organic compound. The iodine salt may be an alkali metal iodide, an exemplary oxidizer is trichloromelamine.

L8 ANSWER 8 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2005:81182 USPATFULL Full-text
TITLE: Process for sanitizing animal carcasses
INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
Schneider, Charles A., Villa Hills, KY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005069623	A1	20050331
APPLICATION INFO.:	US 2004-944929	A1	20040920 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-506710P	20030926 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	372	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Animal carcasses which are destined for butchering are more often than not contaminated with bacteria. This invention is concerned with a process for sanitizing carcasses prior to butchering. To sanitize the carcass thickened solutions of a biocide are sprayed on to the carcass. The preferred solutions for sanitizing the carcass in accordance with this invention have biocide concentrations of about 200 ppm. Treating solutions for use in this invention may further incorporate a coloring agent, wetting agent, surfactants, healing agents, dyes, etc. Time of contact on hide is important. The process of this invention is fast acting and is effective against a wide spectrum of bacteria. After treatment, in accordance with this invention the carcass of the animal has a substantially reduced bacteria count and hence bacterial contamination of the meat produced by the carcass is minimized. The preferred biocide is trichloromelamine (TCM). Polyethylene oxide may be used as a thickening agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 9 OF 12 USPATFULL on STN

ACCESSION NUMBER: 2005:68477 USPATFULL Full-text
TITLE: Process for cleaning bovine teats
INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
Schneider, Charles A., Villa Hills, KY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005058615	A1	20050317
APPLICATION INFO.:	US 2003-732640	A1	20031210 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-434046P	20021218 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DONALD R. BAHR, 2608 Merida Lane, Tampa, FL, 33618
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 252

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Animals have been domesticated and kept as a source of milk for tens of thousands of years. When humans keep animals for their ability to produce milk, the animals are usually kept in confined spaces. As a result of this confinement the animals are exposed to high levels of urine and fecal matter which originated with the animals which are being kept. This exposure contaminates the animal and in particular the udder and teats of the animal, with bacteria. In the milking process this bacteria can further contaminate the milk which is destined for human consumption. The bacteria can further cause mastitis in the bovine. The above set forth problems are eliminated in the subject invention wherein the udder and teat areas of the bovine are sanitized with a solution of trichloromelamine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 10 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2004:50374 USPATFULL Full-text
TITLE: Process for treating animal habitats
INVENTOR(S): Schneider, David J., Union, KY, UNITED STATES
PATENT ASSIGNEE(S): H & S CHEMICAL COMPANY, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004037800	A1	20040226
APPLICATION INFO.:	US 2003-648993	A1	20030827 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-909707, filed on 20 Jul 2001, GRANTED, Pat. No. US 6616892		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
LINE COUNT:	442		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichloromelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis. The process of this invention further reduces the bacteria count of the animal habitat.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 11 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2003:34862 USPATFULL Full-text
TITLE: Process for treating animal habitats

INVENTOR(S) : Schneider, David J., Union, KY, UNITED STATES
PATENT ASSIGNEE(S) : H & S CHEMICAL COMPANY, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003024484	A1	20030206
	US 6616892	B2	20030909
APPLICATION INFO.:	US 2001-909707	A1	20010720 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 Merida Lane, Tampa, FL, 33618		
NUMBER OF CLAIMS:	52		
EXEMPLARY CLAIM:	1		
LINE COUNT:	452		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichlormelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise batches of hogs, cattle, turkeys and chickens on a continuing basis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 12 OF 12 USPATFULL on STN
ACCESSION NUMBER: 2002:148211 USPATFULL Full-text
TITLE: Process for treating animal habitats
INVENTOR(S) : Schneider, David J., Union, KY, UNITED STATES
Bell, Jerry K., Fayetteville, AR, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076348	A1	20020620
	US 6749804	B2	20040615
APPLICATION INFO.:	US 2001-974159	A1	20011009 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-243798P	20001030 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DONALD R. BAHR, 2608 MERIDA LN, TAMPA, FL, 33618	
NUMBER OF CLAIMS:	72	
EXEMPLARY CLAIM:	1	
LINE COUNT:	734	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention deals with a process for treating and sanitizing animal habitats. In addition to sanitizing the habitat the production of ammonia and odor from fecal matter and urine is inhibited or terminated. In the process an animal habitat is cleaned and subsequently treated with trichlormelamine (TCM). The TCM may be applied by spraying the habitat with a solution of TCM, by dusting the habitat with powdered TCM or by treating bedding/litter with TCM. This process produces healthier animals and as such the productivity of a given grow out is increased. The process of this invention is particularly suited to animal habitats which are used to raise

batches of hogs, cattle, turkeys and chickens on a continuing basis. The TCM may be further incorporated into water soluble polymeric compositions which permit the TCM to be leached out in a controlled manner. Further the TCM may be incorporated into cellular and noncellular polymeric compositions which may be used as bedding/litter material, and cat litter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 14:10:59 ON 27 NOV 2006)

FILE 'MEDLINE, CAPLUS, WPIDS, USPATFULL' ENTERED AT 14:11:21 ON 27 NOV 2006

L1 421 S "TRICHLOROMELAMINE"
L2 8 S L1 AND "HABITAT"
L3 18 S L1 AND SANITIZE
L4 4 S L2 AND L3
L5 6 S L3 NOT PY>2001
L6 15 S L1 AND "FECAL"
L7 28 S L1 AND URINE
L8 12 S L6 AND L7
L9 0 S L8 NOT PY>2001

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---Logging off of STN---

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("9909707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:47
L2	1	("6616892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 12:19
L3	356	trichloromelamine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/27 12:19
L4	8600	sanitize sanitizing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/27 12:19
L5	79	I3 I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:28
L6	29	"4306516"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:29
L7	2	I6 I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:29
L8	17	"4369199"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:31
L9	2	I8 I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:31

EAST Search History

L10	25	"5503111"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:31
L11	1	I10 I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:31
L12	17	"6196156"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:32
L13	10673	habitat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:32
L14	8	I5 I13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:35
L15	9	"6296841"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 12:36
L16	5	"6743420"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 14:01
L17	521	"422.5"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 14:01

EAST Search History

L18	845	422/5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 14:01
L19	5	I18 I3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	AND	OFF	2006/11/27 14:01